

Globe Valves — Material Variant Table

Globe valves are engineered for throttling and flow-regulation duty, using a linear-motion disc that closes against the flow to give precise control at any opening position. Their S-shaped flow path trades a higher pressure drop for superior throttling accuracy and long service life under frequent operation. Commonly used on steam, feedwater and process lines where accurate flow or pressure regulation is essential.

Material Variant	Body / Major Components	Trim (Seat / Disc / Stem)	End Connections	Design Standard	Pressure Rating	Operation	Size Range (NB)
Cast Iron Globe Valve	Body, Yoke, Disc: Cast Iron IS 210 Gr. FG 200 / 220 / 260	Stem: SS 410 / 304 / 316 or HT Brass IS 320 HT2. Body Seat & Disc Face: Bronze IS 318 LTB2 / SS 410 / 304 / 316	Flanged (drilling to suit)	IS 9338 / BS 5152	PN 1.0 / 1.6 / 10 / 16	Manual / Geared / Motorised	50 – 350 mm
Cast Steel (WCB) Globe Valve	Body, Yoke, Disc: ASTM A216 Gr. WCB	Stem: SS 304 / 410 / 316. Body & Disc Seat: SS 304 / 410 / 316	Flanged (drilling to suit)	BS 1873	Class 150 / 300 or PN 20 / 25	Manual / Geared / Motorised	50 – 300 mm
Forged Steel Globe Valve	Body, Bonnet, Yoke: ASTM A105	Stem: Stainless Steel. Body & Disc Seal: 13% Cr Steel	Socket Weld or Screwed	API 602	Class 800	Manual	15 – 50 mm
Gun Metal / Bronze Globe Valve	Body, Bonnet: Leaded Tin Bronze IS 318 LTB2	Stem: HT Brass IS 320 HT2. Body & Disc Seat: IS 318 LTB2	Screwed to IS 554 Parallel / NPT	IS 778 Cl. 1 / Cl. 2 or MSS SP 80	PN 1.0 / 1.6	Manual	15 – 50 mm



For Correspondence

H. O & Works : 160, SADANANDA SRITHI PATH, BALITIKURI, BAKULTALA, VIA DASNAGAR, HOWRAH - 711 113, WB, INDIA.



Regd. Off: AJIT SEN BHAWAN, 13 CROOKED LANE, 2 ND FLOOR, KOLATA-700069, WB, INDIA.